

# ABSTRACT OF THE DISCLOSURE

Transverse flux electric motors are made using a unique process where individual components are premade and then assembled together. A stator portion is made by nesting a coil between two stator core portions. The stator core portions are made from laminations or sintered powder materials. A separate rotor portion is provided with a core and two permanent magnets that interact with projections on the stator core portions. In one example, the stator includes support members that support additional magnetic core portions to magnify the magnet flux density in the air gap between the stator and the rotor.

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